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NOTICE OF ALLOWANCE AND FEE(S) DUE

7278

7590

09/18/2009

DARBY & DARBY P.C. P.O. BOX 770 Church Street Station New York, NY 10008-0770 EXAMINER

LITHGOW, THOMAS M

ART UNIT PAPER NUMBER

1797

DATE MAILED: 09/18/2009

ĺ	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	10/549,724	09/16/2005	Peter Gerard Bourke	01115/0211558-US0	4785

TITLE OF INVENTION: SEPARATE SIZE FLOTATION DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/18/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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appropriate. All further	correspondence includir ed below or directed oth	ng the	Patent, advance of	rders and notification of n	naintenance fees w	ill be	mailed to the current	nould be completed where correspondence address as rate "FEE ADDRESS" for
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7278 7590 09/18/2009 DARBY & DARBY P.C. P.O. BOX 770 Church Street Station				I hei State addr trans	Cert reby certify that this es Postal Service we essed to the Mail smitted to the USP.	t ificate is Fee(s ith suf Stop ΓΟ (57	e of Mailing or Transı s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the da	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
New York, NY	10008-0770							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR		ATTORNEY DOCKET NO. CONF		CONFIRMATION NO.
10/549,724 TITLE OF INVENTION	09/16/2005 I: SEPARATE SIZE FLO	OTATI•	ON DEVICE	Peter Gerard Bourke		011	15/0211558-US0	4785
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nonprovisional	NO		\$1510	\$300	\$0		\$1810	12/18/2009
EXAM	IINER		ART UNIT	CLASS-SUBCLASS				
LITHGOW,	THOMAS M		1797	209-164000				
"Fee Address" ind PTO/SB/47; Rev 03-C Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl	ondence address (or Cha B/122) attached. ication (or "Fee Address 12 or more recent) attach IND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	nge of " Indicated. Use A TO B	Correspondence ation form e of a Customer E PRINTED ON 7	2. For printing on the p (1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attoolisted, no name will be THE PATENT (print or type data will appear on the patent attoolisted). The patent of the patent	3 registered patentely, efirm (having as a gent) and the namentely or agents. If printed. e) tent. If an assignessignment.	membes of upno nam	er a 2p to lee is 3leentified below, the do	ocument has been filed for
Please check the appropr	iate assignee category or	catego	ries (will not be pr	rinted on the patent):	Individual 🖵 Co	rporati	on or other private gro	up entity Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies				 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 				
5. Change in Entity Sta	tus (from status indicated		·	☐ b. Applicant is no long				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) v tes Pat	vill not be accepte ent and Trademark	d from anyone other than the Office.	ne applicant; a regi	stered a	attorney or agent; or th	e assignee or other party in
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7278 75	90 09/18/2009		EXAMINER			
DARBY & DAR	BY P.C.		LITHGOW, THOMAS M			
P.O. BOX 770		ART UNIT	PAPER NUMBER			
Church Street Stati New York, NY 100			1797 DATE MAILED: 09/18/200	9		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1037 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1037 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
Notice of Allowability	10/549,724 Examiner	BOURKE, PETER (Art Unit	GERARD				
, rouse of , morrasmy		Art Offic					
	Thomas M. Lithgow	1797					
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS				
1. This communication is responsive to							
2. The allowed claim(s) is/are <u>1-48</u> .							
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 							
2. Certified copies of the priority documents have	been received in Application No						
3. Copies of the certified copies of the priority doc	cuments have been received in this i	national stage applica	tion from the				
International Bureau (PCT Rule 17.2(a)).							
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.							
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.							
5. X CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.						
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached							
1) ☐ hereto or 2) ☐ to Paper No./Mail Date							
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date this action.	(b) ☑ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date this action.						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			back) of				
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
Attachment(s)	E Notice of Informal D	latant Annliantian					
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	5. ☐ Notice of Informal P						
_	Paper No./Mail Dat	6. ☐ Interview Summary (PTO-413), Paper No./Mail Date					
3. 🗵 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>9/05, 3/06, 8/07, 4/08, 6/08</u>	7. 🗌 Examiner's Amendn	7. ☐ Examiner's Amendment/Comment					
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	8. 🛮 Examiner's Statement of Reasons for Allowance					
of Biological Material	9. ⊠ Other <i><u>Drawing chan</u></i>	nge required.					
/Thomas M. Lithgow/							
Primary Examiner, Art Unit 1797							



Application No.

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Art Unit: 1797

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: The closest prior art of record is Bourke (US 5923012). Bourke '012 discloses a flotation device comprising a single flotation tank having the recited outlets (overflow launder 29, bottom outlet 26 for coarse particles, side outlet for fine particle tails 28) being fed directly or indirectly from a grinding mill 50- see fig. 2-4. The coarse tails from the flotation cell are sent directly to the inlet of the grinding mill 50 also illustrated in fig. 2-4. The fines may be forwarded to a flotation circuit [4, 59]. None of the various flow schemes from Bourke '012 result in the two tank flotation arrangement with the coarse bottom outlet product being sent to the feed inlet of a downstream flotation tank with at least one of the tanks including an upper side outlet for withdrawal of a relatively fine fraction of the slurry as recited in claim 1 and be direct reference to claim 1 in independent method claim 38.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Drawings

2. The following changes to the drawings have been approved by the examiner: Fig. 2 and Fig. 3 need to be labeled as "Figure 2" and "Figure 3". In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas M. Lithgow whose telephone number is 571-272-1162. The examiner can normally be reached on Mon. -Fri..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on 571-272-1166.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Thomas M. Lithgow/

Primary Examiner, Art Unit 1797

Thomas M. Lithgow Primary Examiner Art Unit 1797

TML